

**BY ORDER OF THE COMMANDER
TINKER AIR FORCE BASE**

**TINKER AIR FORCE BASE
INSTRUCTION 23-502**



14 JANUARY 2016

Materiel Management

***RECOVERABLE AND WASTE
PETROLEUM PRODUCTS***

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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RELEASABILITY: There are no releasability restrictions on this publication

OPR: 72 LRS/LGLOC

Certified by: 72 MSG/CC
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Supersedes: TINKERAFBI 23-502,
14 January 2015

Pages: 6

This instruction establishes procedures for collecting, storing, returning to inventory, reusing, recycling and disposing of all recoverable, unusable and hazardous waste petroleum products generated on Tinker AFB. It applies to all units and agencies assigned to or attached to Tinker AFB. Reference: T.O. 35-1-3, *Corrosion Prevention and Control, Cleaning, Painting, and Marking of USAF Support Equipment (SE)*; T.O. 36-1-191, *Technical and Managerial Reference for Motor Vehicle Maintenance*; T.O. 42B-1-1, *Quality Control of Fuels and Lubricants*; T.O. 42B-1-23, *Management of Recoverable and Waste Liquid Petroleum Products*; Commercial Item Description A-A-58091B, *Trailer, Tank Mounted, Recoverable Aviation Turbine Fuel (Bowsers): 200, 400, and 600 Gallon Capacity*; DoD 4140.25-M, Vol. II, *DoD Management of Bulk Petroleum Products, Natural Gas, and Coal*; this instruction implements AFI 23-502, *Recoverable Fuel*; and is applicable DLA Interim Policies and Procedures Guidance. This publication applies to Air Force Reserve Command (AFRC) Units. This publication does not apply to the Air National Guard (ANG). Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Form 847s through publications/forms managers. This Tinker AFBI may not be supplemented. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of in accordance with (IAW) Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS) located at <https://www.my.af.mil/afrims/afrims/afrims/rims.cfm>.

SUMMARY OF CHANGES

This publication is substantially revised and must be completely reviewed. Changes include: adding approximate organizational recoverable fuel quantities, approximate organizational waste fuel quantities location, guideline location for oil/water separators, location of procedures for vehicles removing waste from the installation, and supporting agency contact information.

1. General Policies:

1.1. Organizations that generate recoverable or waste petroleum must adhere to this instruction. Every precaution will be taken to ensure foreign substances including different fuel types do not contaminate petroleum products. All recoverable fuel must meet minimum specifications IAW T.O. 42B-1-1 to be returned to the Fuels Management Flight.

2. Petroleum Products Stocked On Base: Currently, Tinker Air Force Base stocks Jet-A aviation fuel; unleaded regular, diesel and bio-diesel ground fuel.

3. Generators of Recoverable and Waste Products:

3.1. Tinker AFB generating organizations include: 564 AMXS/MXDPA (Tanker Production), 565 AMXS/MXDPA (B-1 Aircraft Production), 565 AMXS/MXDRA (B-52 Aircraft Modification), 566 AMXS/MXDPA (E-3 Production), OC-ALC/MXAQIQ (AST Services), 72 OSS/OSMT (Transient Alert), 72 LRS/LGRF (Fuels Management), 72 LRS/LGRV (Transportation Division), 72 ABW Civil Engineering (CE), 72 FSS (Morale, Welfare, Recreation, and Services), AAFES (Base Exchange), 552 ACW (Maintenance Group), United States Navy Command Strategic Communications Wing-One (Maintenance), 507 MXS/MSMG (Maintenance) and 507 AMXS/MXAS (Maintenance).

3.2. Tinker AFB Fuels Management, Vehicle Management, Civil Engineering, AAFES and aircraft maintenance squadrons (aerospace ground equipment (AGE) and aircraft maintenance) generate recoverable petroleum products from refueling unit sumps, bulk storage tank bottoms, aircraft sumps, aircraft requiring fuel cell inspections and repairs, AGE equipment, and vehicle fuel tank maintenance actions. Recoverable aviation fuel will be collected and temporarily stored in portable fuel bowzers. Recoverable ground fuel will be collected and temporarily stored in ground fuel containers.

3.3. Bowzers used to recover fuel drained from aircraft sumps or residual fuel must be clean and include a low point drain. Bowzers shall be marked for and restricted to a single grade of product. Use of large volume bowzers should be coordinated with local ground safety and the fire department. All water must be drained and stored in a separate container or bowser designated for waste water/fuel system icing inhibitor (FSII) mixture. Contact 72 ABW/CEANO at 734-3546 for the Industrial Waste Services contractor to remove and dispose of the water/FSII mixture.

3.4. Bowzers that contain flammable product shall be bonded to the product transfer point prior to and during product transfer operations. All bowzers shall have appropriate closure devices to prevent vaporization, entry of water or material other than the product being collected.

3.5. Approximate Quantities:

3.5.1. Recoverable Fuel. OC/ALC (includes 564 AMXS/MXDPA, 565 AMXS/MXDPA, 565 AMXS/MXDRA, 566 AMXS/MXDPA, and OC-ALC/MXAQIQ) and United States Navy Command Strategic Communications Wing-One are the only generating organizations that reclaim fuel through Base Fuels. Other organizations reclaim fuel to an organization owned service station, to the original vehicle, or used by AGE. Approximate annual reclaim fuel quantity for OC/ALC is 30,000 gallons and USN is 5,000 gallons.

3.5.2. Waste Fuel. Approximate waste fuel quantities can be obtained from the Hazardous Waste Tracking System by contacting 72 ABW/CEIEC at 734-3278.

4. Collecting Recoverable or Waste Petroleum Products: Each organization is responsible for establishing procedures on collecting recoverable or waste fuel products. Contact the Base Environmental Coordinator for assistance. The Fuels Management Flight will provide organizations owning support tanks the required tank custodian training classes IAW AFI 23-204, *Organizational Fuel Tanks* and answer questions or provide assistance on any fuel related problem.

5. Methods, Equipment, and Facilities Available to Collect, Return to Inventory, Reuse, Recycle, and Dispose of Products:

5.1. Approved Containers: Portable fuel bowers are approved containers for collecting petroleum products. There are approved fuel bowers available for procurement through the 72d Logistics Readiness Squadron. The National Stock Numbers for 600 gallon and 250 gallon fuel bowers are: 2330-01-300-4482 (600 gallon capacity); 2330-01-464-3666 (600 gallon capacity); and 2330-01-301-0753 (250 gallon capacity).

5.2. Bowers used on a recurring basis to collect recoverable flammable petroleum products shall be painted and marked IAW T.O. 42B-1-23, paragraph 2-4c or table 2.1. and Commercial Item Description A-A-58091B.

5.3. Returning fuel to Base Fuels Management: Aviation fuel may be returned to the Fuels Management Flight provided it meets the established specifications IAW T.O. 42B-1-1 or may be downgraded to a different product IAW T.O. 42B-1-23. The Fuels Laboratory telephone (739-5067) is the coordination focal point to determine if the petroleum product is suitable for return to the base fuels inventory. The Fuels Service Center telephone (739-5066) is the focal point to obtain disposition instructions for recoverable fuel. Temporary storage bowers will be delivered to facility 290 or facility 3714 at the direction of the Fuels Service Center. The Fuels Management Flight representative will determine quality and quantity of product.

5.4. Returning fuel to the Base Heating Plant: The base heating plant currently uses natural gas and will only accept DF-2 recoverable fuel.

5.5. Products that cannot be downgraded and recovered by the Fuels Management Flight will be disposed of as waste (see TAFBI 32-7004, *Hazardous Waste Management*).

5.6. Oil/Water Separators: Tinker AFB Plan 19-2, *Spill Prevention and Emergency Response Plan for Hazardous and Extremely Hazardous Material and Spill Prevention Control and Countermeasures Plan*, provides a listing of oil/water separators and

information including locations, points of contact, descriptions, inspection frequencies and discharge locations.

6. Accounting for Fuel Returned to Base Fuels Management: A 72 LRS/LGRF Base Fuels Management Flight representative will determine the quantity of product recovered and document it on a DD Form 1898, *Energy Sale Slip*. This form will be forwarded to the Fuels Accounting Office to be processed through the Fuels Enterprise Server Hub for credit to the generating organization.

7. Storage and Disposal Requirements for Waste Petroleum Products: All waste petroleum products will be stored and disposed of IAW TAFBI 32-7004, *Hazardous Waste Management*. TAFBI 32-7004 also contains procedures for the entry, exit, and control of vehicles removing waste products from the installation. If escort control of the vehicle is necessary, escorts will require escort training provided by Base Fuels IAW AFI 23-204 to ensure positive product control by designating pick up locations and verifying pick up quantities.

8. Waste Products Must Be Recycled Through Positive Means Whenever Possible. The following prioritized guidelines have been established for sound property conservation management of recoverable and waste petroleum products:

- 8.1. On-specification fuel will be returned to the Base Fuels Management Flight's inventory for use as the original grade.
- 8.2. Off-specification fuel can be returned to the Base Fuels Management Flight for possible blending into the original product or downgrading to another product.
- 8.3. Surplus/Waste Fuel: Fuel that can't be returned to the Base Fuels Management Flight inventory should be categorized as surplus/waste fuel. This fuel will be disposed of IAW TAFBI 32-7004.

STEPHANIE P. WILSON, Colonel USAF
Commander

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

AFI 23-204, *Organizational Fuel Tanks*

AFI 23-502, *Recoverable Fuel*

AFMAN 33-363, *Management of Records*

Commercial Item Description A-A-58091B, *Trailer, Tank Mounted, Recoverable Aviation Turbine Fuel (Bowsers): 200, 400, and 600 Gallon Capacity*

DoD 4140.25-M, *DoD Management of Bulk Petroleum Products, Natural Gas, and Coal*

TAFBI 32-7004, *Hazardous Waste Management*

TAFB Plan 19-2, *Spill Prevention and Emergency Response*

T.O. 35-1-3, *Corrosion Prevention and Control, Cleaning, Painting, and Marking of USAF Support Equipment (SE)*

T.O. 36-1-191, *Technical and Managerial Reference for Motor Vehicle Maintenance*

T.O. 42B-1-1, *Quality Control of Fuels and Lubricants*

T.O. 42B-1-23, *Management of Recoverable and Waste Liquid Petroleum Products*

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

DD 1898, *Energy Sale Slip*

Abbreviations and Acronyms

AAFES—Army Air Force Exchange Service

AF—Air Force

AFB—Air Force Base

AFBI—Air Force Base Instruction

AFI—Air Force Instruction

AFMAN—Air Force Manual

AFRC—Air Force Reserve Command

AFRIMS—Air Force Records Information Management System

AGE—Aerospace Ground Equipment

ANG—Air National Guard

DLA—Defense Logistics Agency

DoD—Department of Defense

FSII—Fuel System Icing Inhibitor

IAW—In Accordance With

OPR—Office of Primary Responsibility

RDS—Records Disposition Schedule

TAFBI—Tinker Air Force Base Instruction

T.O—Technical Order

Terms

DLA Interim Policies and Procedures Guidance—Listing of interim policies and procedures guidance to DoDD 4140.25. Located at:

<https://east.esps.disa.mil/dod/dla/dlaenergy/scm/SitePages/Publications.aspx>.